Krish Patel

Project Portfolio: krishp03.github.io
Github: github.com/krishp03

EDUCATION

RUTGERS UNIVERSITY   New Brunswick, NJ

B.S. Computer Science, September 2021 - Jan 2024 *(Planned)*
- **Relevant Coursework:** CS 112: Data Structures *(In Progress: Fall 2021)*,
  CS 205: Discrete Structures I *(In Progress: Fall 2021)*

MONTGOMERY HIGH SCHOOL   Skillman, NJ

High School Student, September 2017 - June 2021
- **Relevant Coursework:** AP Computer Science A, AP Calculus AB/BC, AP Statistics

PROJECTS

POST-WORKOUT *(CSSI Collaborative Final Project)*
- Designed and implemented a simple social media app that allows users to post descriptions of their workouts and diets
- Applied Firebase authentication and realtime database, as well as HTML/CSS/JavaScript

SLIDING PUZZLE SOLVER *(In Progress | Expected Finish: Late October 2021)*
- Created an 8 Puzzle Solver in Java as a part of Princeton's Algorithms course on Coursera
- Re-implementing the project using TypeScript/JavaScript and adding a GUI that allows users to input their puzzle, and then displaying the most efficient solution to the puzzle
- Applied various data structures and algorithms, such as binary heaps, priority queues, and the A* Search algorithm

EXPERIENCE / PROGRAMS

GOOGLE   Mountain View, CA

CSSI: Online Participant   July 2021 – August 2021
- Completed an introductory project-based JavaScript and Firebase curriculum taught by Google engineers
- Configured 2 individual coding projects in JavaScript by using concepts such as variables, data types, and functions, and a collaborative final project using JavaScript, Firebase, HTML/CSS
- Delivered a collaborative final project presentation and live demonstration to Google employees and community leaders

PRINCETON UNIVERSITY   Princeton, NJ

Dual Enrollment Student   August 2020 - May 2021
- **Relevant Coursework:** COS 126: Computer Science: An Interdisciplinary Approach,
  COS 217: Introduction to Programming Systems

STANFORD UNIVERSITY   Palo Alto, CA

Summer Session Participant   June 2020 – August 2020
- Participated in a program for high-achieving high school upperclassmen virtually
- **Relevant Coursework:** CS 103: Mathematical Foundations of Computing (Discrete Math)

LEADERSHIP

FRC TEAM 1403

Design Lead   June 2019 – June 2021
- Directed the CAD, 3D-Printing, Animation, VR, and CNC subteams (20 members total) of an award-winning FRC team
- Helped the team win 2 district-level awards and 1 competition-level award during my time as a captain
- Implemented documentation procedures that improved efficiency and collaboration between subteams

GOOGLE DEVELOPER STUDENTS CLUB

Technical Lead   August 2021 – Present
- Selected to be the technical lead of Rutgers' chapter of the Google Developer Student Clubs as a freshman
- In charge of teaching/organizing events to teach other students about Google technologies such as Firebase, Flutter, TensorFlow, etc

SKILLS

- Programming: Java, C, TypeScript, JavaScript, HTML/CSS, ARM64 Assembly
- Tools/Technologies: Git/Github, Firebase, Flutter
- Design/Manufacturing: Autodesk Inventor, Autodesk Fusion 360 (CAD and CNC Toolpathing)